



State of Illinois
ENVIRONMENTAL PROTECTION AGENCY
MEMORANDUM

DATE: December 23, 2010

TO: Division Files - Bureau of Land

FROM: Chris Cahnovsky – Collinsville Region

SUBJECT: 1198010003 – Madison County
Estate of Chemetco
FOS File

On December 9, 2010, Michelle Cozadd and I conducted an inspection at Chemetco, Inc. Present during this inspection were Jorge Garcia, ES&H Manager for the Estate of Chemetco and Mike Murray of AIS.

FOUNDRY BUILDING

The smelter feedstock in containers that was left behind by Chemetco has been moved to the Receiving Building, the 90-Day Waste Storage Area and the Fines Building. Approximately 155 drums and totes were moved to the Receiving Building. This material included copper cement, tin mud, brass grindings copper paste, shredded circuit boards, heavy connectors, copper fines, and tin oxides. Approximately 17 drums were moved to the 90-Day Waste Storage Area. These drums contained tin fines. The contents of these 17 drums were similar to the tin fines that were already in the 90 day area. There are now 33 drums of tin fine drums in the 90 day area.

Approximately 32 drums in the Foundry Building were in extremely bad conditions and the containers had disintegrated. The contents of these drums was scattered on the foundry floor. The contents of the drums were taken to the Fines Building and mixed with the MBM generated from demolition activities. Per a December 20, 2010 email from Jorge Garcia, the contents of these 32 drums were repacked into 4 Gaylord Boxes and moved to the Receiving Building.

An additional 24 drums in the Foundry Building also were in poor condition and disintegrated. The contents of these drums was also scattered on the foundry floor. These drums contained a mixture of medallions, automobile lead weights and other debris. This material was moved to just inside of the south side of the west wall. The Estate expects to sell this material in the near future.

I observed the interior of the Foundry Building from the door way. I observed the spilled material from the 24 disintegrated containers. The pile contained lead wheel weights and medallions that are given as awards and prizes. Also in this pile, I observed dust, buckets, wood, pieces of pallets and other material (See photos 001 and 002).

RECEIVING BUILDING

About 155 drums and totes from the Foundry Building have been moved to the Receiving Building. In this building I observed 55-gallon steel drums, fiber Gaylord boxes, 55-gallon fiber drums and plastic tote containers of smelter feedstock. About 17 of the 55-gallon steel drum and all of the fiber Gaylord boxes and 55-gallon fiber drums appeared to be in poor condition. (Photos 003-005).

According to the Revised Final Demolition Plan dated July 20, 2010, the former furnace feed materials that cannot be processed on-site during pending metals processing will be transferred to DOT-approved shipping container inside the Foundry Building during the performance of debris collection activities. These repackaged materials will be sealed and labeled and will remain temporarily stored inside the Foundry Building until they are shipped off site. If the material needed to be moved from the Foundry Building Industrial Assets and Disposition, LLC was to give IEPA advanced notification. The IEPA was told by the Estate that the Estate was planning on moving drums but no specific date was given.

FINES BUILDING

About 32 drums of tin mud, nickel copper cake and lead glass have been moved from the Foundry Building to the Fines Building and mixed with the MBM. In a December 20, 2010 email from Jorge Garcia, this material is being repackaged and taken to the Receiving Building. The hazardous waste concrete debris from the Tank House has not been removed from the Fines Building.

FOUNDRY BUILDING DEMOLITION

The rear wall of the Foundry Building has been removed. AIS crews are cutting steel and removing copper wire. The wire and metal conduit are being separated into piles (Photo 016-017). Steel is being loaded into boxes for delivery to Grossmen Metals. AIS has cut inspection holes in the hoppers of the baghouse on the south side of the foundry. It appears that the baghouse compartments are empty. Per Mr. Murray, this will make demolition of the baghouse easier since there is only a small amount of dust in the system.

AAF DEMOLITION

The AAF demolition is essentially complete. AIS is still cutting up the stainless steel duct work and moving it to the Dome Building for decontamination.

DOMED BUILDING

The sand blasting test trials on the stainless steel did not work. The spent sand from the test trail is in two one-cubic yard supersacks. Mr. Garcia has not yet sampled the spent sand. I observed many pieces of prepared scrap stainless steel on the floor of the Dome Building (Photos 008-012). The cold weather has prevented AIS from power washing the steel so far today. AIS has a heat coil on the waterline to the power washer and a heater next to the facility water supply tank. AIS is not sure how they are going to continue to decontaminate the steel in the cold weather.

CNC

cc: Regional Files
cc: Erin Rednour
cc: Michelle Kerr - USEPA



DIGITAL PHOTOGRAPHS File Names: 1198010003~12092010-[Exp. #001-024].jpg



Date: 12/09/2010
Time: 9:00 – 10:00
Direction: South
Photo by: Chris Cahnovsky
Exposure #: 001
Comments: Received material that was formerly in containers in the Foundry that were not moved to the Receiving Building



Date: 12/09/2010
Time: 9:00 – 10:00
Direction: South
Photo by: Chris Cahnovsky
Exposure #: 002
Comments: Received material that was formerly in containers in the Foundry that were not moved to the Receiving Building



DIGITAL PHOTOGRAPHS File Names: 1198010003~12092010-[Exp. #001-024].jpg



Date: 12/09/2010
Time: 9:00 – 10:00
Direction: South
Photo by: Chris
Cahnovsky
Exposure #: 003
Comments: Drums
moved from
Foundry Building to
Receiving Building



Date: 12/09/2010
Time: 9:00 – 10:00
Direction: North
Photo by: Chris
Cahnovsky
Exposure #: 004
Comments: Drums
moved from Foundry
Building to Receiving
Building



DIGITAL PHOTOGRAPHS File Names: 1198010003~12092010-[Exp. #001-024].jpg



Date: 12/09/2010
Time: 9:00 – 10:00
Direction: North
Photo by: Chris
Cahnovsky
Exposure #: 005
Comments: Drums
moved from
Foundry Building to
Receiving Building



Date: 12/09/2010
Time: 9:00 – 10:00
Direction: East
Photo by: Chris
Cahnovsky
Exposure #: 006
Comments: Drums
moved from Foundry
Building to Receiving
Building



DIGITAL PHOTOGRAPHS File Names: 1198010003~12092010-[Exp. #001-024].jpg



Date: 12/09/2010
Time: 9:00 – 10:00
Direction: East
Photo by: Chris
Cahnovsky
Exposure #: 007
Comments: Drums
moved from
Foundry Building to
90-day waste storage
building



Date: 12/09/2010
Time: 9:00 – 10:00
Direction: Northeast
Photo by: Chris
Cahnovsky
Exposure #: 008
Comments:



DIGITAL PHOTOGRAPHS File Names: 1198010003~12092010-[Exp. #001-024].jpg



Date: 12/09/2010
Time: 9:00 – 10:00
Direction: East
Photo by: Chris
Cahnovsky
Exposure #: 009
Comments:



Date: 12/09/2010
Time: 9:00 – 10:00
Direction: Southeast
Photo by: Chris
Cahnovsky
Exposure #: 010
Comments:



DIGITAL PHOTOGRAPHS File Names: 1198010003~12092010-[Exp. #001-024].jpg



Date: 12/09/2010
Time: 9:00 – 10:00
Direction: West
Photo by: Chris
Cahnovsky
Exposure #: 011
Comments: cleaned
stainless steel



Date: 12/09/2010
Time: 9:00 – 10:00
Direction: East
Photo by: Chris
Cahnovsky
Exposure #: 012
Comments: Spent Sand
from blast trial



DIGITAL PHOTOGRAPHS File Names: 1198010003~12092010-[Exp. #001-024].jpg



Date: 12/09/2010
Time: 9:00 – 10:00
Direction: Northwest
Photo by: Chris
Cahnovsky
Exposure #: 013
Comments: Fines
Building



Date: 12/09/2010
Time: 9:00 – 10:00
Direction: Northwest
Photo by: Chris
Cahnovsky
Exposure #: 014
Comments: Fines
Building



DIGITAL PHOTOGRAPHS File Names: 1198010003~12092010-[Exp. #001-024].jpg



Date: 12/09/2010
Time: 9:00 – 10:00
Direction: Northwest
Photo by: Chris
Cahnovsky
Exposure #: 015
Comments: Fines
Building



Date: 12/09/2010
Time: 9:00 – 10:00
Direction: Southwest
Photo by: Chris
Cahnovsky
Exposure #: 016
Comments: Rear of
Foundry Building



DIGITAL PHOTOGRAPHS File Names: 1198010003~12092010-[Exp. #001-024].jpg



Date: 12/09/2010
Time: 9:00 – 10:00
Direction: Southwest
Photo by: Chris
Cahnovsky
Exposure #: 017
Comments: rear of
Foundry Building



Date: 12/09/2010
Time: 9:00 – 10:00
Direction: East
Photo by: Chris
Cahnovsky
Exposure #: 018
Comments:



DIGITAL PHOTOGRAPHS File Names: 1198010003~12092010-[Exp. #001-024].jpg



Date: 12/09/2010
Time: 9:00 – 10:00
Direction: Northwest
Photo by: Chris
Cahnovsky
Exposure #: 019
Comments:



Date: 12/09/2010
Time: 9:00 – 10:00
Direction: Northwest
Photo by: Chris
Cahnovsky
Exposure #: 020
Comments: This
structure will stay after
demo



DIGITAL PHOTOGRAPHS File Names: 1198010003~12092010-[Exp. #001-024].jpg



Date: 12/09/2010
Time: 9:00 – 10:00
Direction: Southeast
Photo by: Chris
Cahnovsky
Exposure #: 021
Comments:



Date: 12/09/2010
Time: 9:00 – 10:00
Direction: Southeast
Photo by: Chris
Cahnovsky
Exposure #: 022
Comments: cutting
stainless steel



DIGITAL PHOTOGRAPHS File Names: 1198010003~12092010-[Exp. #001-024].jpg



Date: 12/09/2010
Time: 9:00 – 10:00
Direction: Southwest
Photo by: Chris
Cahnovsky
Exposure #: 023
Comments: current
RCRA container



Date: 12/09/2010
Time: 9:00 – 10:00
Direction: Northwest
Photo by: Chris
Cahnovsky
Exposure #: 024
Comments: Holes cut
in baghouses